Requirements – Why Do We Need Them?

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Topics

- Requirements Overview
- How Do We Do It?
- How Do We Know We Got It Right?
- Summary
- Questions?





- 31 percent of all software projects are canceled before they are completed (a waste of \$81 billion).
- 53 percent of projects cost 189 percent of their original estimate.

Why????





Top Three Project Impairment Reasons

- 1. Lack of user input.
- 2. Incomplete requirements and specifications.













Top Three Project Impairment Reasons

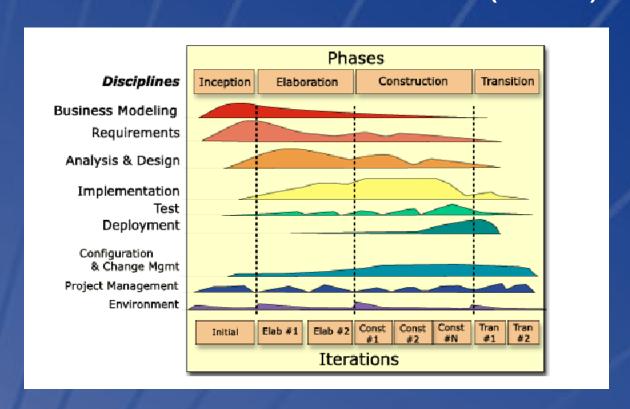
- 1. Lack of user input.
- 2. Incomplete requirements and specifications.
- 3. Changing requirements and specifications.





How Do We Do It?

Rational Unified Process (RUP)





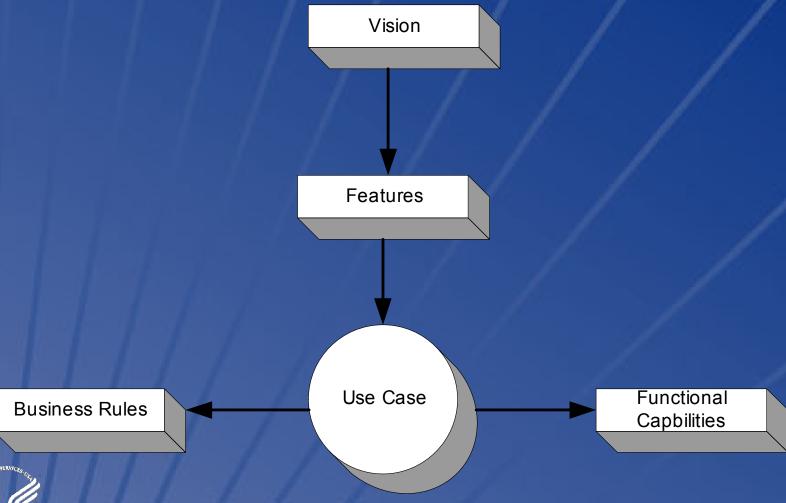


How Do We Do It?

- Develop a Project Vision
- Evaluate Current Business Process
- Look for Opportunities for Improvement
- Develop a Set of Key Features
- Develop a Set of Use Cases to Support Features
- Host Joint Application Sessions (JAD) with Business Representatives
- Baseline Requirements



How Do We Do It?





How Do We Know We Did It Right?

- Prototype
- Verification by the Business
- Manage Change
- Develop Iteratively
- Perform Internal Quality Assurance (QA)
 Testing
- Perform User Acceptance Testing





Summary

- Requirements Take Time
- Must Be Done Iteratively
- User Input is Critical
- Remember Cost of Quality:

\$\$Cheaper To Do It Right The First Time\$\$





??Questions??





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